

# Modernize your approach to data management with a scale-out infrastructure

## Commvault HyperScale X for Hitachi Data Protection Suite accelerates hybrid cloud adoption with an integrated solution

### SOLUTION PROFILE

Managing data is challenging. You may be making it more difficult using a legacy approach that wasn't designed for today's modern infrastructures that span on-premises and the cloud. Traditional enterprise backup focused on proprietary, dedicated servers and storage to run the backup software and storage management services like deduplication.



# Challenges with traditional backup architectures

Managing data is challenging. You may be making it more difficult using a legacy approach that wasn't designed for today's modern infrastructures that span on-premises and the cloud. Traditional enterprise backup focused on proprietary, dedicated servers and storage to run the backup software and storage management services like deduplication. This created the following challenges:

- **Data silos/data fragmentation:** When an appliance fills up, you purchase another one, which is managed separately. This increases complexity and limits visibility into your data.
- **Overbuying capacity upfront:** You must forecast your future growth, which may result in overprovisioning storage upfront and spending more than you need to.
- **Expensive forklift upgrades:** When it's time to renew your appliance, you're forced into an expensive forklift upgrade that typically requires taking your system offline to migrate your data.
- **Poor cloud integration:** Many traditional solutions have a limited ability or inability to migrate data to the cloud, or migrating data requires another solution, adding complexity and cost.
- **Declining performance as capacity is expanded:** Systems are sized for maximum capacity, so as you expand storage capacity within an appliance, your performance degrades.

## Scale-out: a modern approach

By shifting data management and protection to a scale-out architecture, you can help transform your environment to be as flexible, resilient, and scalable as public cloud infrastructure. Predictable performance and hardware costs, operational efficiencies, and simplified support allow the replacement of limited and legacy backup tools with a modern data management solution that enables you to protect all your workloads running on-premises, in hybrid cloud, and in multi-cloud environments.

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**92% of organizations have a multi-cloud strategy; 82% are taking a hybrid approach.<sup>1</sup>**

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<sup>1</sup> Flexera 2021 State of the Cloud Report, March 2021

# How Commvault HyperScale X for Hitachi Data Protection Suite solves modern data management

Commvault HyperScale X for Hitachi Data Protection Suite accelerates hybrid cloud adoption with an integrated solution that delivers comprehensive data management with industry-leading integration across applications, databases, public cloud environments, hypervisors, operating systems, and storage arrays<sup>2</sup> from a single, extensible platform.

The first requirement for any modern data management solution is that it needs to support modern workloads. With Commvault HyperScale X for Hitachi Data Protection Suite you have native capability to manage and protect cloud-native technologies including:

- **Containers** - Kubernetes, Docker, RedHat OpenShift, and D2iQ
- **Public cloud IaaS** - Microsoft Azure Virtual Machines, Amazon EC2, Google Compute Engine, Oracle Cloud, etc.
- **PaaS/DBaaS** – Microsoft Azure Database, Microsoft Azure SQL, Microsoft Azure Cosmos DB, Amazon RDS, Amazon Aurora, Amazon DynamoDB, Amazon Redshift, Amazon DocumentDB, Google Cloud Database, Oracle Database Cloud Service, etc.
- **SaaS applications** – Office 365, Salesforce, etc.

With unrivaled support for both on-premises and cloud technologies, Commvault HyperScale X for Hitachi Data Protection Suite ensures that wherever your data resides, you'll have the ability to view it, use it, and confidently protect it.

## Delivered as a Turnkey Appliance

Commvault HyperScale X for Hitachi Data Protection Suite is delivered as an integrated solution consisting of Hitachi Advanced Servers (HA820) and Hitachi Data Protection Suite, powered by Commvault. This greatly simplifies the deployment process and significantly reduces the time to value – meaning you'll be efficiently managing and protecting your data much easier and quicker than with non-integrated solutions.

After initial deployment, the HyperScale X cluster can be expanded with additional HA820 nodes, seamlessly adding additional capacity and scaling by increments as small as a single node at a time. This allows for greater flexibility in how you manage your upgrades, enhancing cost-efficiency and eliminating the concern of overprovisioning.

If you require additional storage as part of your data protection strategy, Metallic™ Cloud Storage Service (MCSS) is easily configured and managed from within the same console as the rest of your data protection and management operations -- and offers air gapped, immutable storage to protect your data from threats like ransomware. With complete ease of management, limitless scale, and predictable, consumption-based pricing, MCSS accelerates and simplifies the movement of your data to the cloud.

<sup>2</sup> <https://www.commvault.com/supported-technologies>

# What differentiates Commvault HyperScale X for Hitachi Data Protection Suite?

HyperScale X uses a distributed scale-out file system that – when combined with Hitachi Data Protection Suite software capabilities – provides the following benefits:

- **High performance backup and recovery** with automatic load balancing that optimizes the efficiency and performance per node and enables enhanced recovery capabilities
- **Optimized scalability** that supports single-node expansion of a cluster up to 5PB of capacity within a single deduplicated storage pool, avoiding excess costs caused by overprovisioning
- **Cost-optimized cloud data mobility** with the ability to easily backup, recover, and move data to, from, within, and between clouds natively (no additional solutions required) using policy-driven rules
- **Built-in resiliency** that enhances availability in expansion/failure scenarios and increases resiliency as you add nodes, including the ability to support multiple hardware failures, reducing downtime
- **Enhanced ransomware protection** that provides multiple layers of immutability across the software, OS, and file system to help prevent protected data from being accidentally or maliciously encrypted, modified, or deleted, helping you recover data in the event of an attack

HyperScale X also includes enhancements that simplify deployment for complex or security-focused networks, accelerating your time to first backup.

# Commvault HyperScale X for Hitachi Data Protection Suite is a fresh approach to data management

Hyperscale X is an intuitive, easy to deploy, scale-out solution that is fully integrated with Hitachi Advanced Server hardware and Hitachi Data Protection Suite (HDPS), powered by Commvault. It provides unmatched scalability, security, and resiliency to accelerate an organization's digital transformation journey as they move to hybrid cloud, container, and virtualized environments. The flexible architecture allows you to get up and running quickly and grow as your needs demand while remaining cost-efficient. Commvault HyperScale X for Hitachi Data Protection Suite is truly the fast track to a modern, scalable data management solution.

You can learn more about Hitachi Data Protection Suite [here](#).



## We Are Hitachi Vantara

We guide our customers from what's now to what's next by solving their digital challenges. Working alongside each customer, we apply our unmatched industrial and digital capabilities to their data and applications to benefit both business and society.

## Hitachi Vantara



Corporate Headquarters  
2535 Augustine Drive  
Santa Clara, CA 95054 USA  
[hitachivantara.com](http://hitachivantara.com) | [community.hitachivantara.com](http://community.hitachivantara.com)

Contact Information  
USA: 1-800-446-0744  
Global: 1-858-547-4526  
[hitachivantara.com/contact](http://hitachivantara.com/contact)

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SP-402-21-A MCoE November 2021